



hamilton materials, inc.

345 West Meats Avenue • Orange, California 92665 • (714) 637-2770 • Fax (714) 637-2670

MATERIAL SAFETY DATA SHEET
SMOOTH SETS

Quick Identifier: Common Name (used on label and list)	Product Code:	Packaging:	Quick Identifier: Common Name (used on label and list)	Product Code:	Packaging:
Smooth Set 10	22104	25 lb bag	Smooth Set Lite 90	22167	18 lb bag
Smooth Set 20	22105	25 lb bag	Smooth Set Lite 180	22168	18 lb bag
Smooth Set 40	22107	25 lb bag	Smooth Set High Density 20	22200	25 lb bag
Smooth Set 90	22115	25 lb bag	Smooth Set High Density 40	22203	25 lb bag
Smooth Set Lite 5	22164	18 lb bag	Smooth Set High Density 90	22205	25 lb bag
Smooth Set Lite 20	22165	18 lb bag	Quick Fix 30 Minute	22040	25 lb bag
Smooth Set Lite 40	22166	18 lb bag			

Section 1 – Product Name & Synonyms:		Smooth Set, Smooth Set Lite, & Smooth Set High Density	
Manufacturer's Name	Hamilton Materials, Inc.	Emergency Telephone:	714-637-2770
Street	345 W. Meats Ave.	Other Information:	
City, State, and ZIP	Orange, CA 92865	FAX:	714-921-8974
Date Prepared:	July 25, 2000	Web-Site	hamiltonmaterials.com

Section 2 – Hazardous Ingredients / Identity				
<i>THE ABOVE PRODUCTS MAY CONTAIN THE FOLLOWING COMPONENTS</i>				
Hazardous Component(s) Chemical & Common name:	OSHA PEL	ACGIH TLV	% - Optional	CAS Number
Attapulgit (fibrous dust)	Not established	Not established		12174-11-7
Calcium Carbonate (limestone)	15 mg/m ³ ** 5 mg/m ³ *	10 mg/m ³ (e)		1317-65-3
Calcium Sulfate (Plaster of Paris)	15 mg/m ³ ** 5 mg/m ³ *	10 mg/m ³ (e)		7778-18-9
Mica	20 mppcf ₂	3 mg/m ³ (e),(f)		12001-26-2
Perlite	15 mg/m ³ ** 5 mg/m ³ *	10 mg/m ³ (e)		93763-70-3
Silica, Quartz ₁	0.1 mg/m ³ * 0.3 mg/m ³ **	0.1 mg/m ³ (j) NIC – 0.05 mg/m ³ (j)	~ .01 – 1.5 %	14808-60-7
Starch	15 mg/m ³ ** 5 mg/m ³ *	10 mg/m ³ (e)		9005-25-8
Talc (containing no asbestos fibers)	20 mppcf ₂	2 mg/m ³ (e),(f)		14807-96-6
SEE NEXT PAGE FOR EXPLANATIONS				

Section 2 – Hazardous Ingredients / Identity (cont.)

* Respirable fraction (PEL)

** Total dust (PEL) or Inhalable Particulate (TLV)

*** STEL/CEIL – STEL stands for Short-Term Exposure Limit. Usually a 15 – minute time-weighted average (TWA) exposure that should not be exceeded at any time during a workday, even if the 8-hour TWA has not been exceeded. CEIL stands for Ceiling (C) - the concentration that shall not be exceeded during any part of the working exposure.

SEN – TLV-Confirmed potential for worker sensitization as a result of dermal contact and/or inhalation exposure, based on the weight of scientific evidence

NIC – TLV Notice of Intended Changes

1 - Present as a natural occurring contaminant, ACGIH Threshold limit values lists Silica-Crystalline Quartz as "A2- Suspected Human Carcinogen"

2 - <1% crystalline silica.

(e) - The value is for particulate matter containing no asbestos and <1% crystalline silica.

(f) - Respirable fraction, fraction passing a size selector with the characteristics defined in the "C" Paragraph of Appendix D in the current TLV booklet.

OTHER INGREDIENTS / IDENTITY

Hazardous Component(s) Chemical & Common name:	OSHA PEL	% - Optional	CAS Number
None			

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Solubility in Water	Less than 3%
Specific Gravity (H ₂ O = 1)	0.9 – 2.3	Reactivity in Water	N/A
Vapor Pressure (mm Hg)	N/A	pH	7 – 9
Vapor Density (Air = 1)	N/A	Melting Point	N/A
Appearance and Odor	White powder with no odor		

SECTION 4 – FIRE & EXPLOSION DATA

Flash Point	N/A	Non-Combustible (?)	Yes
Auto-Ignition Temperature	N/A	Flammability Limits in Air (% volume)	N/A
Special Fire Fighting Procedures	None	LEL Lower	N/A
Unusual Fire and Explosion Hazards	None	UEL Upper	N/A

SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable []	Stable [X]
Conditions to Avoid	None	
Incompatibility (Materials to Avoid)	Acids	
Hazardous Decomposition Products	<ul style="list-style-type: none">Releases CO₂ when heated to decompositionReleases SO_x when heated to decomposition	
Hazardous Polymerization	Will Not Occur [X]	May Occur []

SECTION 6 – HEALTH HAZARDS						
Acute	Inhalation of dust may cause irritation of upper respiratory system		Chronic	Long term exposure to high dust levels may impair lung function		
Signs and symptoms of Exposure			N/A			
Medical Condition Generally Aggravated by Exposure			Respiratory problems			
Chemical Listed as Carcinogen or Potential Carcinogen Y – Yes N – No or Not established P-Potential	Attapulgit	ACGIH TLV No	NIOSH No	NTP No	IRAC Monograph P – [2B]	OSHA No
	Crystalline Silica	ACGIH TLV P - [A2]	NIOSH Yes [X]	NTP Yes [R]	IRAC Monograph Yes – [1]	OSHA Yes [X]
Emergency and First Aid Procedures		Persons exposed to large amounts of airborne dust should leave the area to avoid the nuisance particulate material				
Routes of Entry		Inhalation	Remove to fresh air			
		Eyes	Wash with water for 15 minutes – call physician			
		Skin	Wash with soap and water			
		Ingestion	Call physician			

SECTION 7 – SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES	
Precautions to be taken in Handling and Storage	None
Other Precautions	None
Steps to be Taken in Case Material is Released or Spilled	Contain and Scoop materials into waste container for disposal
Waste Disposal Methods	Dispose of in accordance with all federal, state, and local regulations

SECTION 8- SPECIAL PROTECTION INFORMATION/CONTROL MEASURES			
Respiratory Protection (specify type)	NIOSH / OSHA approved respirator for dust when dry sanding. There is limited evidence that crystalline silica (quartz) causes cancer in humans.		
Ventilation	Local exhaust preferred; Mechanical Exhaust satisfactory	Special N/A	Other N/A
Protective Gloves	Yes		
Eye Protection	Safety glasses or goggles		
Other Protective Clothing or Equipment	None		
Work / Hygienic Practices	Avoid dry sanding. Wet sanding or sponging is preferred.		

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